(54) Title: ENCODER WITH ADAPTIVE RATE CONTROL FOR H.264
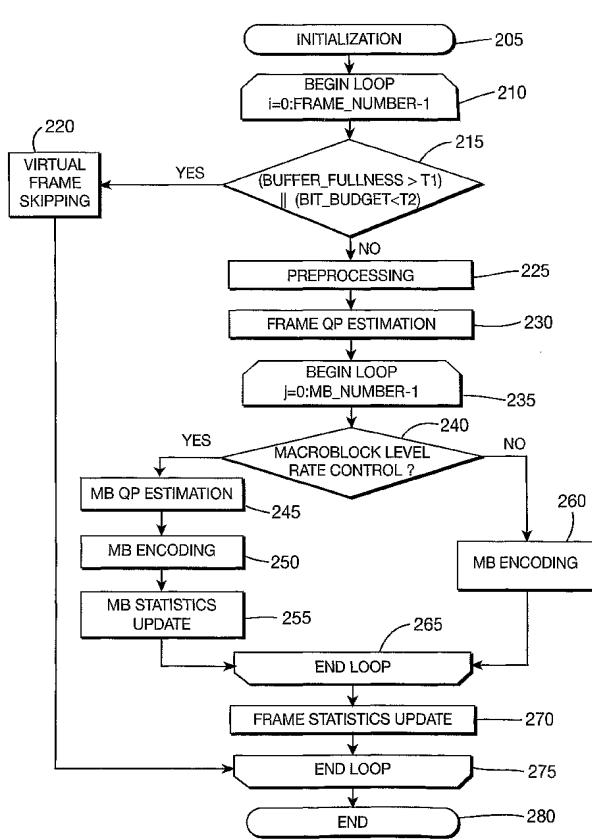
(57) Abstract: A video encoder (100) is disclosed, the encoder for encoding image frames that are divisible into macroblocks. The video encoder (100) includes means (130) for generating a QP estimate for the macroblocks of an image frame. The video encoder further includes means (130) for selection of a frame level quantization parameter (QP) for the image frame, using one of mean, median, and mode of QP estimates for the macroblocks. A method for encoding video is disclosed for encoding image frames that are divisible into macroblocks. The method generates (225) a quantization parameter (QP) estimate for the macroblocks of an image frame and selects (230) a frame level QP for the image frame, using one of mean, median, and mode of QP estimates for the macroblocks.

GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

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